

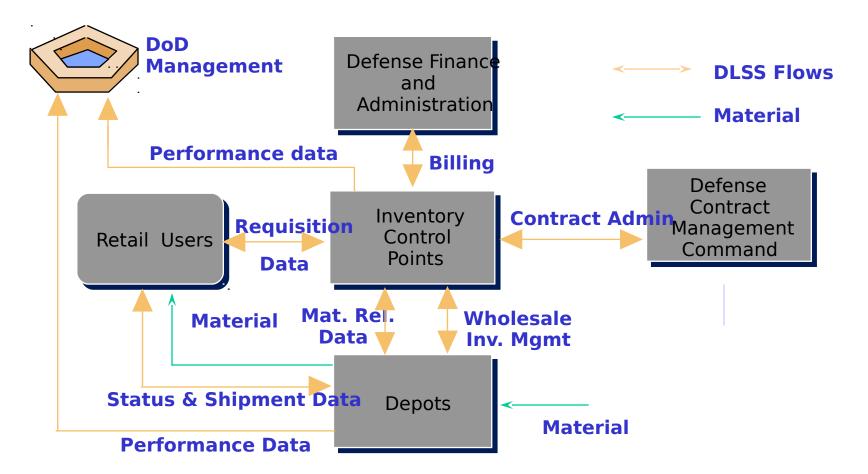
State of Logistics Data Exchange

FORMATS

- A mixture of proprietary DoD standards, diverse S/A unique formats, and paper
- Not connected with other functions: procurement, transportation, maintenance
- Inconsistent with industry usage
- PROCEDURES 25+ years old; don't reflect new business rules; & often not followed
- SYSTEMS 100s of legacy systems, many with formats embedded in application code
- COMMUNICATIONS Mixture of outdated AUTODIN & diverse newer techniques

THE SYSTEM IS BOTH INEFFICIENT & INHIBITS MODERNIZATION

DLSS Environment



Transactions and <u>procedures</u> linking DoD logistics s Approximately 2 billion exchanges a year

Problems in the Current Environment

- Fixed-length records constrain expanding data requirements
- S/As developed unique exchanges to by-pass DLSS limitations, increasing overall process costs
- Formats embedded in older systems, inhibiting modernization
- DoD proprietary format inhibiting commercial partnerships

Defense Logistics Management System

DLMS replaces the DLSS with ANSI X12 EDI formats which are:

- Variable-length, can support expanding DoD requirements
- Non-proprietary national standards
- Widely used in government and industry
- Aligned with other DoD efforts including finance, transportation and procurement
- Step towards DoD open systems goals

Is This Simply Substituting One Format for Another?

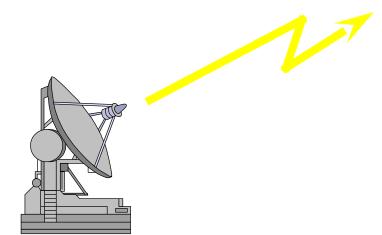
• ONLY IF - We do not incorporate already identified or new enhancements/initiatives with the change-over

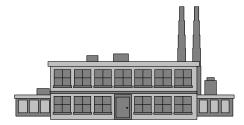
• YES, BUT

- This format will allow us to connect to commercial trading partners without major reprogramming on their part.
- It will separate systems from format and promote incremental modernization

Not moving forward leaves the DLSS as the baseline for any BPR or ADP system moderization

ANSI X12 EDI A Commercial Standard





American National Standards Institute (ANSI)

- Independent non-profit standards body
- Represents US in international standards
- Open to anyone
- Federal government participates in ANSI but does not manage it
- Manages many standards through accredited standards committees (EDI is ASC X12)
- First ANSI EDI standards established in 1978

X12 In Industry



Automotive

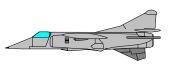


Transportation



Public Warehousing









Medical-Pharmaceutical

Aerospace/Defense

Petroleum

• EDI is used by more than 95% of America's Fortune 1000 companies

 EDI is key component of many BPR initiatives such as Just-in-time inventory, direct vendor delivery, and

Grocery

Selected X12 Transaction

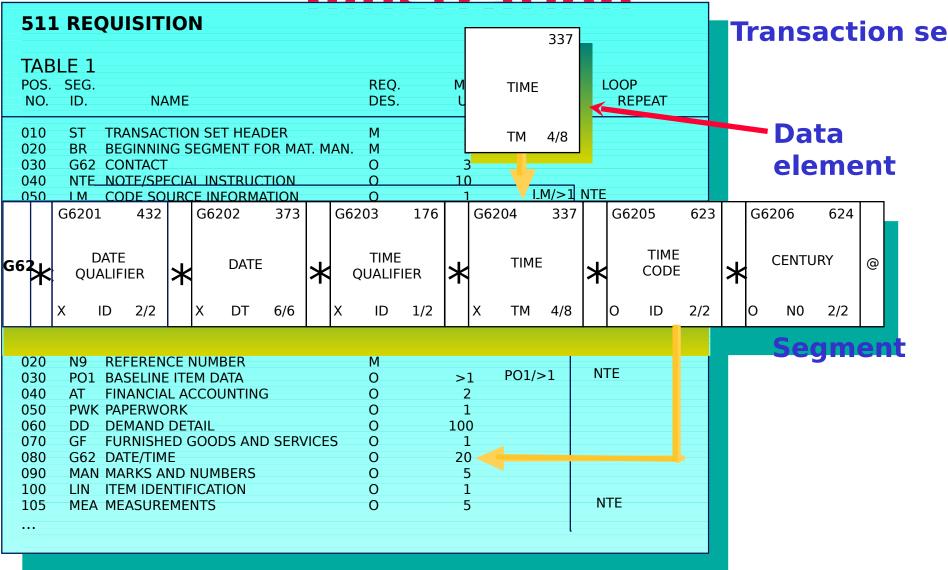


_							
Engir	eering & Management	Manuf	facturing	Warel	nouse Activity	Educa	
806	Project schedule report	1823 0	Planning schedule	940	Shipping order	130	Student Educational
839	Project cost reporting	844	Product transfer	945	Warehouse shipping adv	vice	Record (S.E.R.)
841	Technical information	846	Inventory inquiry	947	Warehouse inv.	131	S.E.R. Acknowledgment
		849	Product transfer info.		adjustment advice	146	Request for S.E.R.
Purch	nasing	861	Receiving advice		-	147	Resp. to Request for S.E.R
805	Contract Pricing Propos	86 6	Production sequence	Finan	ce	135	Student Loan Application
251	Pricing Support		Product transfer	810	Invoice	139	Student Loan Guarantee
832	Price catalog	869	Order inquiry	812	Credit/Debit adjustment		Result
836	O 1 1		Order status report	819	Expense statement	144	Student Loan Transfer &
840	Request for quotation			820	Payment order	101	Status Verification
843	Quotation	Qualit	У	821	Financial reports	191	Student Loan Preclaims Assistance & Claims
850	Purchase order (P.O.)	842	Nonconformance repo	r 822	Account analysis	188	Ed. Course Inventory
855	P.O. acknowledgment	848	Safety data (MSOS)	825	Payment status	189	Application for Admission
860	P.O. change	854	Shipment delivery dis	d2 7.	Financial returns/Notice		to Ed. Institutions
865	P.O. change Ack.	863	Test results	828	Debit authorization	190	Student Enrollment
888	Item maintenance	920	Loss or damage claim	829	Cancel payment		Verification
		925	Claim tracer				
	y Management			All		Othe	r Business Processes
511	Requisition	Transp	portation	824	Application advice	Custo	oms
517	Material obligation vali	terial obligation validetion Routing and courier in			Trading partner profile	Health Insurance/Claims	
527	Material due-in and rec	and rec gipt Ship notice/manifest		864	Text message	Tax Reporting	
536	Logistics reassignment	857	Ship notice	868	Electronic form structur&rants		
Contr	act Management	858	Shipment information	996	File transfer	Real-	estate Sale and Mortgages
561				99 7	Functional acknowledge	menurt Actions	
501		_			_		

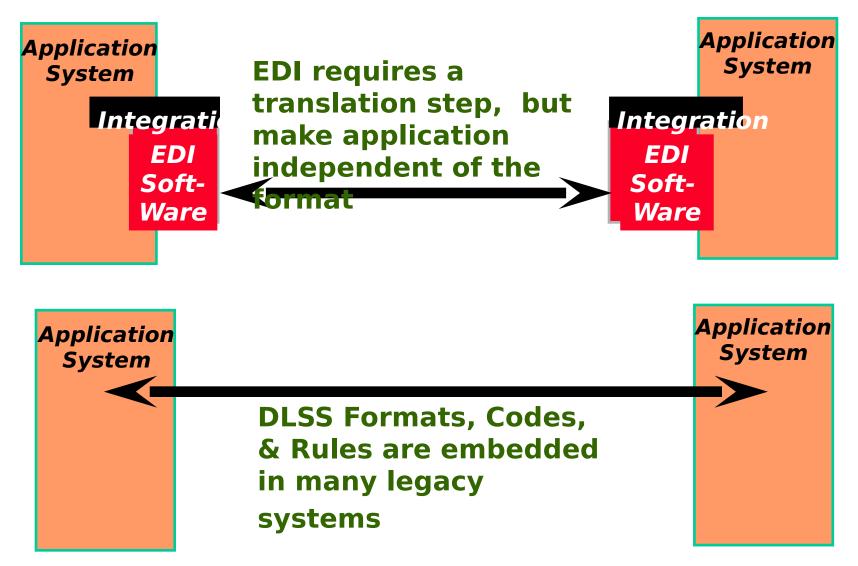
- 567 Contract completion status
- 568 Contract payment
 - **Management Report**

EDI Structure -

Illuctration

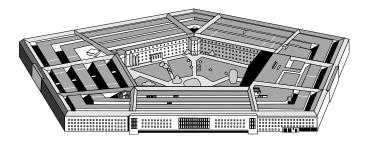


DLSS vs EDI Processing



EDI IN THE FEDERAL GOVERNMENT





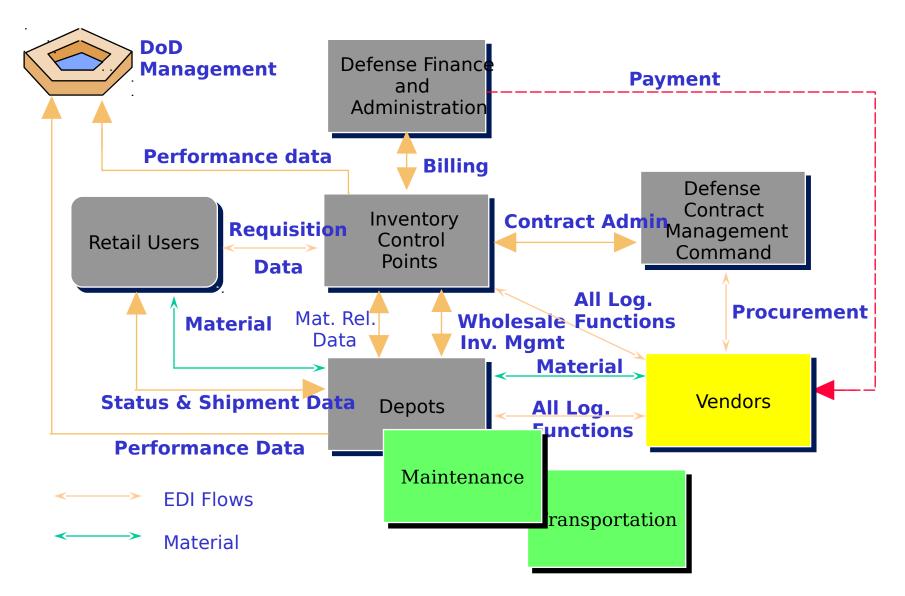
Evolution Of Fed/DoD EDI Policy

- FIPS 161-2 specifies X12 & EDIFACT for agency use
- DMRD 941 Key documents to be implemented 1992
- NPR identified EDI as a key to reinventing govt. 1993
- Presidential Memorandum EDI in procurement streamlining - 1993
- Federal Acquisition Streamlining Act (FASA) 1994
- JECPO creation 1998
- DRID 48 1998
- EB/EC Policy & Guidance Memorandum and Strategic Plan
 - 1999

Selected EDI Projects

- Standard Procurement System (SPS) plus legacy S/A systems
- **DLA Prime Vendor programs**
- DFAS Commercial and transportation invoices and GBLs
- DCMC Progress payments & material inspections and receiving reports
- DECA Price catalogs
- Many civil agency implementations including, GSA, VA, EPA, Customs, and Treasury

DLMS Environment



DLMS Status

- DLMS procedure manuals in-place
- 24 X12 transaction sets utilized
- 55 ICs already developed that:
 - Replace existing DLSS functionality
 - Support many enhancements
 - Are Approved Federal standards
- DAASC EDI translation & DLSS/DLMS conversion capability in place
- User documentation being developed

Ready to begin implementation

SAMPLE ENHANCEMENTS

- Unique item (serial/lot number) tracking (UIT)
- Weapon system identification & demand
- Electronic requisitions for nonstandard material
- Multi-line transactions
- Electronic discrepancy reporting
- Complete cost accounting data
- Summary contract and packaging information
- Data streamlining
- Multiple and clear text addressing
- Support for Total Asset Visibility Program

More than 100 S/A & OSD suggested enhancements are incorporated

Implementation Issues

- Determine order and methodology for system conversion from DLSS to EDI
- Determine order and timing of incorporating existing and new enhancements & initiatives
- Evaluate and incorporating S/A unique data and transactions
- Define policies & procedures for operations in an EDI environment

Conclusion

DoD needs a better means to exchange critical logistics data for new initiatives, new data, and new technology to support its operational forces as defined by *Joint Vision 2010*. EDI is a proven and effective means for machineto-machine data exchange.